



SEQUENCE LISTING

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<120> COMPOSITIONS AND METHODS FOR ENHANCED
MUCOSAL DELIVERY OF Y2 RECEPTOR-BINDING PEPTIDES AND METHODS
FOR TREATING AND PREVENTING OBESITY

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<160> 105

<170> FastSEQ for Windows Version 4.0

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Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu

1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr

20 25 30

Arg Gln Arg Tyr

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Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn

1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln

20 25 30

Arg Tyr

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Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr

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Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg

1 5 10 15

Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg

20 25 30

Tyr

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Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr

1 5 10 15

Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr

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Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr

1 5 10 15
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Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala
1 5 10 15
Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser
1 5 10 15
Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu
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Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His

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Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr

1 5 10 15
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Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu

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Asn Leu Val Thr Arg Gln Arg Tyr
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Leu Val Thr Arg Gln Arg Tyr
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Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu

1 5 10 15
Val Thr Arg Gln Arg Tyr

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Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val

1 5 10 15

Thr Arg Gln Arg Tyr

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Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr

1 5 10 15

Arg Gln Arg Tyr

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Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg

1 5 10 15

Gln Arg Tyr

<210> 19

<211> 18

<212> PRT

<213> Homo sapiens

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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln

1 5 10 15

Arg Tyr

<210> 20

<211> 17

<212> PRT

<213> Homo sapiens

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Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg

1 5 10 15

Tyr

<210> 21

<211> 16

<212> PRT

<213> Homo sapiens

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Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr

1 5 10 15

<210> 22

<211> 36

<212> PRT

<213> Homo sapiens

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Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp

1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr

20 25 30

Arg Gln Arg Tyr

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<213> Homo sapiens

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His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr

1 5 10

<210> 24

<211> 34

<212> PRT

<213> Homo sapiens

<400> 24

Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala

1 5 10 15

Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln

20 25 30

Arg Tyr

<210> 25
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Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg
1 5 10 15
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20 25 30
Tyr

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<400> 26
Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr
1 5 10 15
Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
20 25 30

<210> 27
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<213> Homo sapiens

<400> 27
Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr
1 5 10 15
Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
20 25 30

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<213> Homo sapiens

<400> 28
Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser
1 5 10 15
Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
20 25 30

<210> 29
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<400> 29

Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala
1 5 10 15
Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu
1 5 10 15
Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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<213> Homo sapiens

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Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg
1 5 10 15
His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His
1 5 10 15
Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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Ala Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr
1 5 10 15
Ile Asn Leu Ile Thr Arg Gln Arg Tyr
20 25

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Pro Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile
1 5 10 15
Asn Leu Ile Thr Arg Gln Arg Tyr
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Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn
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Leu Ile Thr Arg Gln Arg Tyr
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Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu
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Ile Thr Arg Gln Arg Tyr
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<213> Homo sapiens

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Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile
1 5 10 15
Thr Arg Gln Arg Tyr
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<213> Homo sapiens

<400> 38

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
1 5 10 15
Arg Gln Arg Tyr
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<210> 39
<211> 19
<212> PRT
<213> Homo sapiens

<400> 39
Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg
1 5 10 15
Gln Arg Tyr

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<213> Homo sapiens

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Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
1 5 10 15
Arg Tyr

<210> 41
<211> 17
<212> PRT
<213> Homo sapiens

<400> 41
Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg
1 5 10 15
Tyr

<210> 42
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Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
1 5 10 15

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Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
1 5 10 15

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<400> 44

Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
1 5 10

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<211> 13

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Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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<400> 46

Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
1 5 10

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<211> 36

<212> PRT

<213> Homo sapiens

<400> 47

Ala Ser Leu Glu Pro Glu Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
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<212> PRT

<213> Homo sapiens

<400> 48

Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr

1 5 10

<210> 49

<211> 34

<212> PRT

<213> Homo sapiens

<400> 49

Leu Glu Pro Glu Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala

1 5 10 15

Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro

20 25 30

Arg Tyr

<210> 50

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<213> Homo sapiens

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Glu Pro Glu Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln

1 5 10 15

Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg

20 25 30

Tyr

<210> 51

<211> 32

<212> PRT

<213> Homo sapiens

<400> 51

Pro Glu Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr

1 5 10 15

Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr

20 25 30

<210> 52

<211> 31

<212> PRT

<213> Homo sapiens

<400> 52

Glu Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala

1 5 10 15

Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr

20 25 30

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<212> PRT
<213> Homo sapiens

<400> 53
Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala
1 5 10 15
Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25 30

<210> 54
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<213> Homo sapiens

<400> 54
Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu
1 5 10 15
Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25

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<213> Homo sapiens

<400> 55
Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu
1 5 10 15
Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25

<210> 56
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<213> Homo sapiens

<400> 56
Asp Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg
1 5 10 15
Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25

<210> 57
<211> 26
<212> PRT
<213> Homo sapiens

<400> 57

Asn Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg
1 5 10 15
Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25

<210> 58

<211> 25

<212> PRT

<213> Homo sapiens

<400> 58

Ala Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr
1 5 10 15
Ile Asn Met Leu Thr Arg Pro Arg Tyr
20 25

<210> 59

<211> 24

<212> PRT

<213> Homo sapiens

<400> 59

Thr Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile
1 5 10 15
Asn Met Leu Thr Arg Pro Arg Tyr
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<210> 60

<211> 23

<212> PRT

<213> Homo sapiens

<400> 60

Pro Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn
1 5 10 15
Met Leu Thr Arg Pro Arg Tyr
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<210> 61

<211> 22

<212> PRT

<213> Homo sapiens

<400> 61

Glu Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met
1 5 10 15
Leu Thr Arg Pro Arg Tyr
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<210> 62

<211> 21

<212> PRT

<213> Homo sapiens

<400> 62

Gln Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu

1 5 10 15

Thr Arg Pro Arg Tyr

20

<210> 63

<211> 20

<212> PRT

<213> Homo sapiens

<400> 63

Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr

1 5 10 15

Arg Pro Arg Tyr

20

<210> 64

<211> 19

<212> PRT

<213> Homo sapiens

<400> 64

Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg

1 5 10 15

Pro Arg Tyr

<210> 65

<211> 18

<212> PRT

<213> Homo sapiens

<400> 65

Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro

1 5 10 15

Arg Tyr

<210> 66

<211> 17

<212> PRT

<213> Homo sapiens

<400> 66

Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg
1 5 10 15
Tyr

<210> 67
<211> 16
<212> PRT
<213> Homo sapiens

<400> 67
Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
1 5 10 15

<210> 68
<211> 15
<212> PRT
<213> Homo sapiens

<400> 68
Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
1 5 10 15

<210> 69
<211> 14
<212> PRT
<213> Homo sapiens

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Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
1 5 10

<210> 70
<211> 13
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<213> Homo sapiens

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Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
1 5 10

<210> 71
<211> 12
<212> PRT
<213> Homo sapiens

<400> 71
Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg Tyr
1 5 10

<210> 72
<211> 36
<212> PRT
<213> Rat

<400> 72
Tyr Pro Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15
Leu Ser Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 73
<211> 36
<212> PRT
<213> Pig

<400> 73
Tyr Pro Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15
Leu Ser Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 74
<211> 36
<212> PRT
<213> Guinea pig

<400> 74
Tyr Pro Ser Lys Pro Glu Ala Pro Gly Ser Asp Ala Ser Pro Glu Glu
1 5 10 15
Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 75
<211> 36
<212> PRT
<213> Rat

<400> 75
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 76
<211> 36
<212> PRT
<213> Rabbit

<400> 76
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 77
<211> 36
<212> PRT
<213> Dog

<400> 77
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 78
<211> 36
<212> PRT
<213> Pig

<400> 78
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 79
<211> 36
<212> PRT
<213> Cow

<400> 79
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr

35

<210> 80

<211> 36

<212> PRT

<213> Sheep

<400> 80

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Asp Asp Ala Pro Ala Glu Asp
1 5 10 15
Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 81

<211> 36

<212> PRT

<213> Guinea pig

<400> 81

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 82

<211> 36

<212> PRT

<213> Sheep

<400> 82

Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 83

<211> 36

<212> PRT

<213> Pig

<400> 83

Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asp Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 84
<211> 36
<212> PRT
<213> Dog

<400> 84
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asp Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 85
<211> 36
<212> PRT
<213> Cat

<400> 85
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 86
<211> 36
<212> PRT
<213> Cow

<400> 86
Ala Pro Leu Glu Pro Glu Tyr Pro Gly Asp Asp Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 87
<211> 36
<212> PRT
<213> Rat

<400> 87
Ala Pro Leu Glu Pro Met Tyr Pro Gly Asp Tyr Ala Thr His Glu Gln
1 5 10 15
Arg Ala Gln Tyr Glu Thr Gln Leu Arg Arg Tyr Ile Asn Thr Leu Thr

20 25 30
Arg Pro Arg Tyr
35

<210> 88
<211> 36
<212> PRT
<213> mouse

<400> 88
Ala Pro Leu Glu Pro Met Tyr Pro Gly Asp Tyr Ala Thr Pro Glu Gln
1 5 10 15
Met Ala Gln Tyr Glu Thr Gln Leu Arg Arg Tyr Ile Asn Thr Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 89
<211> 37
<212> PRT
<213> Guinea pig

<400> 89
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15
Gln Met Ala Gln Tyr Ala Ala Glu Met Arg Arg Tyr Ile Asn Met Leu
20 25 30
Thr Arg Pro Arg Tyr
35

<210> 90
<211> 22
<212> PRT
<213> Homo sapiens

<400> 90
Asp Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu
1 5 10 15
Val Thr Arg Gln Arg Tyr
20

<210> 91
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<212> PRT
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<400> 91
Thr Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu
1 5 10 15
Asn Leu Val Thr Arg Gln Arg Tyr
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<210> 92
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<400> 92
Val Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr
1 5 10 15
Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 93
<211> 26
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<400> 93
Glu Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His
1 5 10 15
Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 94
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Asp Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15
His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 95
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Val Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala
1 5 10 15
Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25 30

<210> 96
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<212> PRT
<213> Homo sapiens

<400> 96

Asp Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr
1 5 10 15
Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25 30

<210> 97

<211> 33

<212> PRT

<213> Homo sapiens

<400> 97

Gln Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg
1 5 10 15
Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg
20 25 30
Tyr

<210> 98

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20 25 30

Arg Tyr